AT-VIEW PLUS

VLAN MANAGER USER'S GUIDE

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This User's Guide describes the basic operations of AT-View Plus VLAN Manager.

1 Overview

VLAN Manager is a tool that enables you to configure VLANs on a device using a graphical user interface (GUI) or by importing VLAN definitions from a file.

Topics

- Starting VLAN Manager
- Main Window
- Basic Operations
- Menus
- Device Support

2 Starting VLAN Manager

VLAN Manager can be started from AT-View Plus Device Manager or from the command line. In a Windows environment, VLAN Manager can be started from the AT-View Plus program folder or from the Run command of the Start menu.

You can start VLAN Manager from AT-View Plus Device Manager by clicking on **Tool > VLAN Manager** on the main menu or by clicking on the VLAN Manager icon on the toolbar. If AT-View Plus Device Manager is connected to a device, target host information is automatically passed on to VLAN Manager so that the VLAN configuration of the device can be retrieved and displayed in VLAN Manager's main window.

3 Main Window

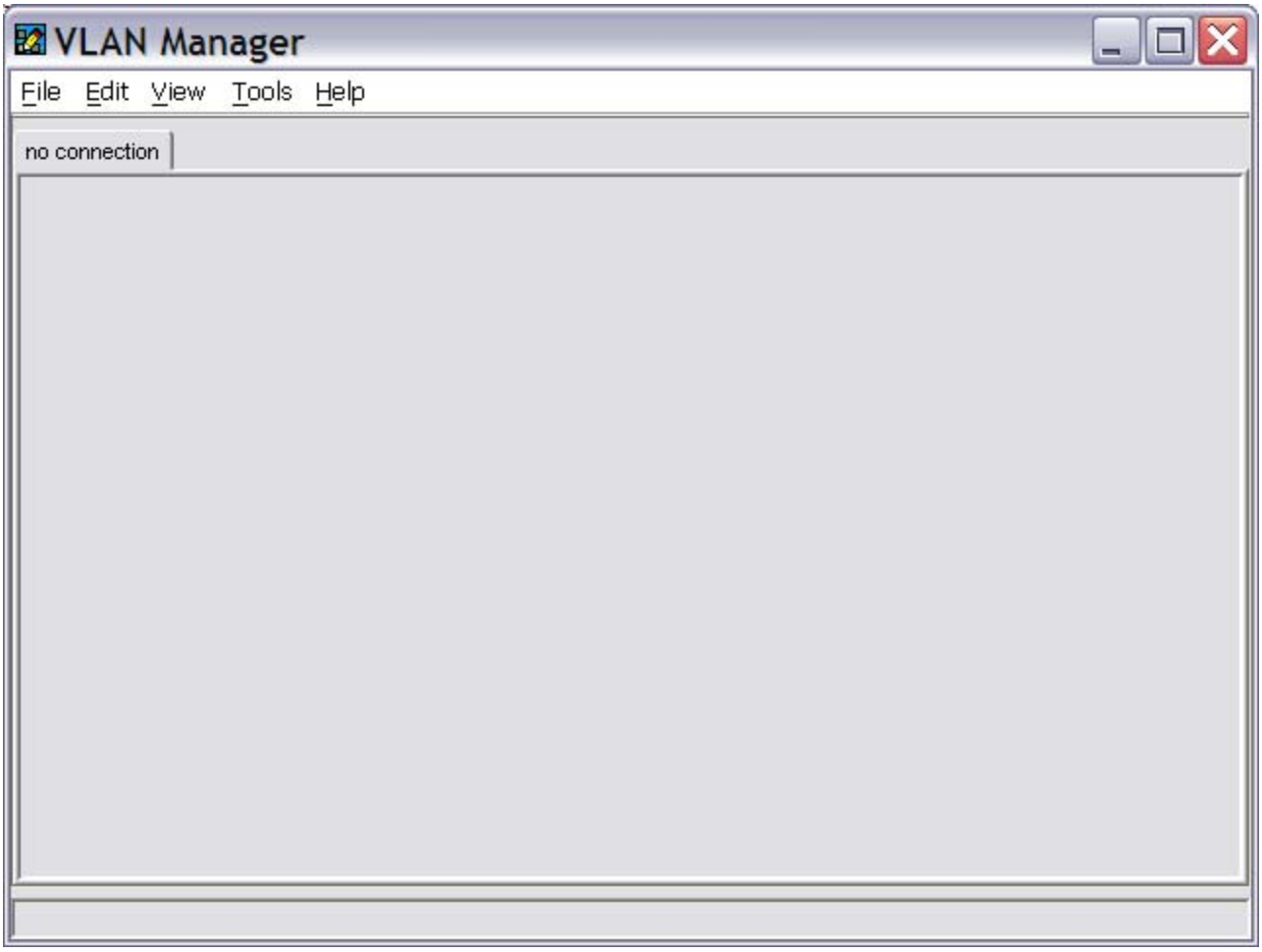
When started, VLAN Manager displays one of the following windows, depending on how it is started.

Topics:

- Initial Window
- VLAN Information Window

3.1 Initial Window

If the target host is not specified, or if one or more connection parameters do not match what is configured on the host, the following window appears.

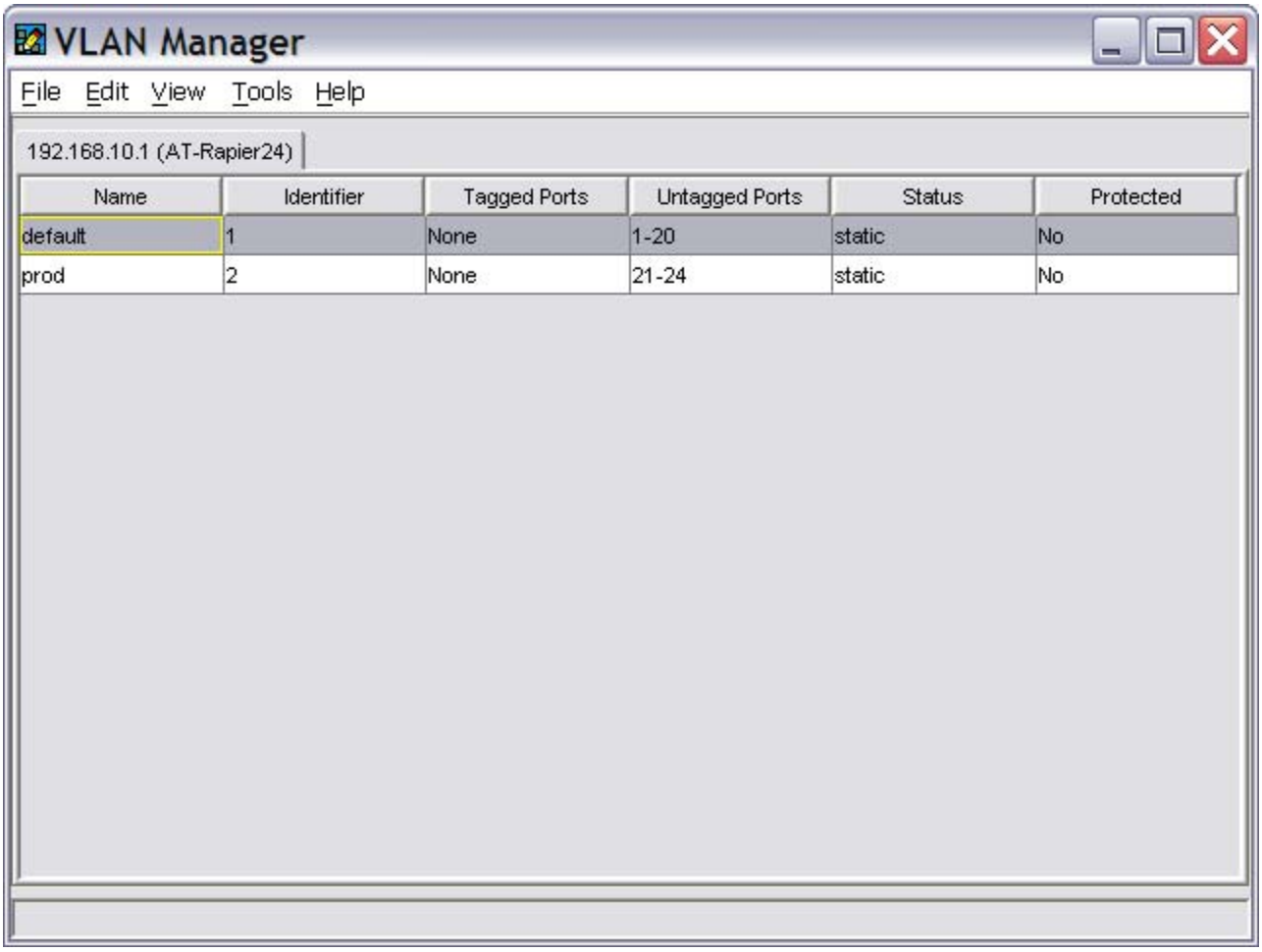


Initial Window

To specify a target host from this window, select **File > Open**. If the target host is a device model that is supported by VLAN Manager, the VLAN Information Window displaying the target host's VLAN configuration will appear.

3.2 VLAN Information Window

When a target host is specified and VLAN Manager recognizes it as a device model that it supports, the following window appears.



VLAN Information Window

The menu bar provides access to VLAN Manager's operations.

The VLAN Information Window displays the VLAN configuration of the device being managed. Information is organized in a table format with each row representing one VLAN definition and each column representing one attribute of the VLAN. VLAN attributes displayed differ from one device family to another. Refer to Section 6 - Device Support for the specific attributes displayed for each device family.

4 Basic Operations

This chapter discusses the basic operations within VLAN Manager windows.

Topics

- Selecting VLAN Definitions
- Device Panel
- VLAN Configuration Files

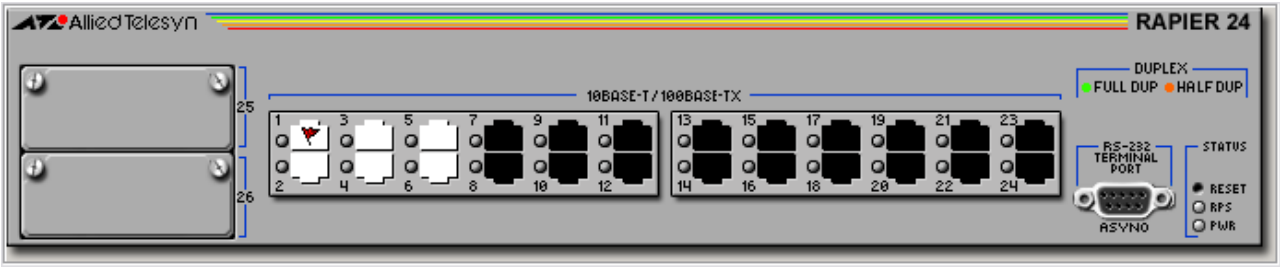
4.1 Selecting VLAN Definitions

To select a VLAN definition in the VLAN Information Window or the Import VLAN dialog box, click on a row. To select multiple contiguous VLAN definitions, hold down the *Shift* key while clicking on the desired VLAN definitions. To select multiple non-contiguous VLAN definitions, hold down the *Ctrl* key while clicking on the desired VLAN definitions.

4.2 Device Panel

A device panel that reflects the actual ports available on the target host is used to create or modify a VLAN definition.

Note - The AT-A48/SC, AT-A48/MT and AT-A49 Expansion Modules for the AT-8350GB are not supported and will not show up on the device panel.



Device Panel

A port can be in any one of three possible states.

Port Image	State	Description
	Not Selected	This port does not belong to the VLAN.
	Selected	This port is an *untagged* member of the VLAN. ***Note*** - For the AT-8200XL Series, this port is considered a *member* of the VLAN.
	Flagged	This port is a *tagged* member of the VLAN. ***Note*** - For the AT-8200XL Series, this port is considered an *untagged* (port-based) member of the VLAN.

Clicking on a *port* will change its state as follows:

Current State	New State

4.3 VLAN Configuration Files

VLAN Configuration Files are Comma Separated Value (CSV) files containing VLAN definitions and are used by the **Import VLAN** and **Export VLAN** functions.

The format of the VLAN Configuration File is as follows:

VLAN_Entry1_Name, VLAN_Entry1_Identifier, attribute1, attribute2, etc.

VLAN_Entry2_Name, VLAN_Entry2_Identifier, attribute1, attribute2, etc.

and so on...

The number and order of VLAN attributes, and their corresponding values, differ from one device family to another. Refer to Section 6 - Device Support for details on the specific attributes for each device family.

The following is an example of a VLAN Configuration File for the Rapier 24 device that contains two (2) VLAN definitions:

prod, 2,"None", "21-24", No

test, 3, "1","2-6", No

4 Basic Operations

5 Menus

This chapter describes the items on VLAN Manager's main menu.

Topics:

- File
- Edit
- View
- Tools
- Help

5.1 File

The File menu lets you connect to and disconnect from a target host, check the properties of the target host, or exit VLAN Manager.

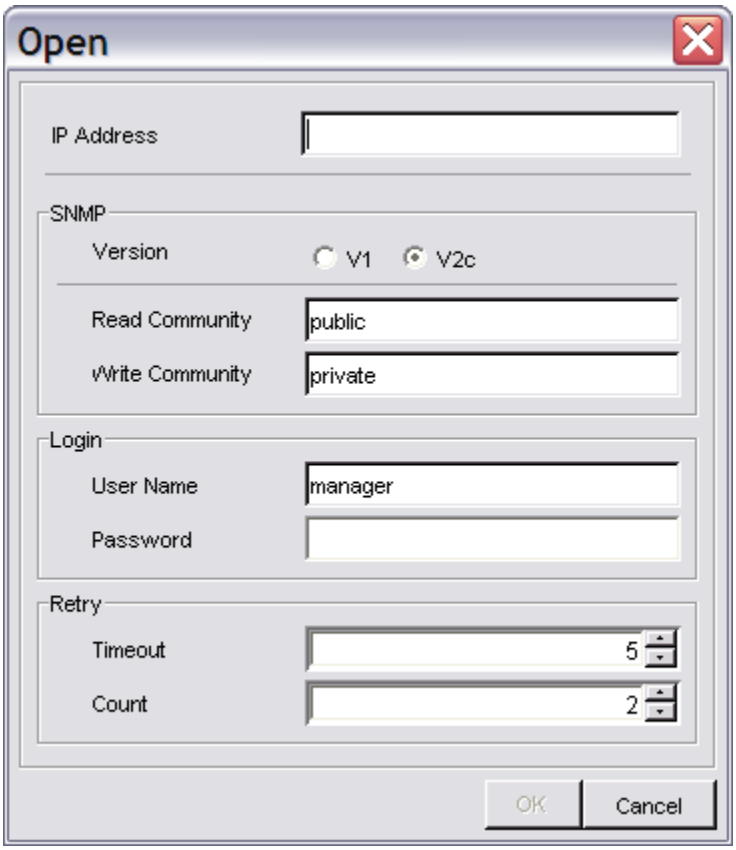
Topics:

- Open
- Close
- Properties
- Exit

5.1.1 Open

This option allows you to specify a target host to connect to. When you select **File > Open**, the following dialog box appears. To connect to the device, fill in parameters in the dialog box, and click OK.

Note - This option is not available if VLAN Manager is already connected to a target host.



Open dialog box

IP Address

This is the Host Name or IP Address of the target host.

SNMP

Version

Select the version of SNMP to use in managing the target device.

Note - Before choosing "V2c", make sure that the target device you are connecting to supports SNMPv2c.

Read Community

This is the community string to use in performing SNMP GET operations on the target host. By default, this field is set to *public*.

Write Community

This is the community string to use in performing SNMP SET operations on the target host. By default, this field is set to *private*.

Login

User Name

This is the account name to be used to log in to the device. By default, this field is set to *manager*. This field is used for non-L2 devices only. For L2 devices, this field is ignored.

Password

This is the password for the account to be used. This field is used for non-L2 devices only. For L2 devices, this field is ignored.

Retry

Timeout

The number of seconds VLAN Manager waits before it determines that the device is not responding. By default, this value is set to *5 seconds*.

Count

The number of times VLAN Manager sends SNMP messages to the agent before giving up. By default, this value is set to *2 retries*.

5.1.2 Close

This option closes the active connection with the device and empties the **VLAN Information Window**.

5.1.3 Properties

The Properties dialog box allows you to modify the connection settings for the connected device. The Properties dialog box is identical to the Open dialog box used to open a connection. See Section 5.1.1 - Open.

Note - This option is only available if VLAN Manager is already connected to a target host.

5.1.4 Exit

This option terminates connection to target host and closes VLAN Manager application.

5.2 Edit

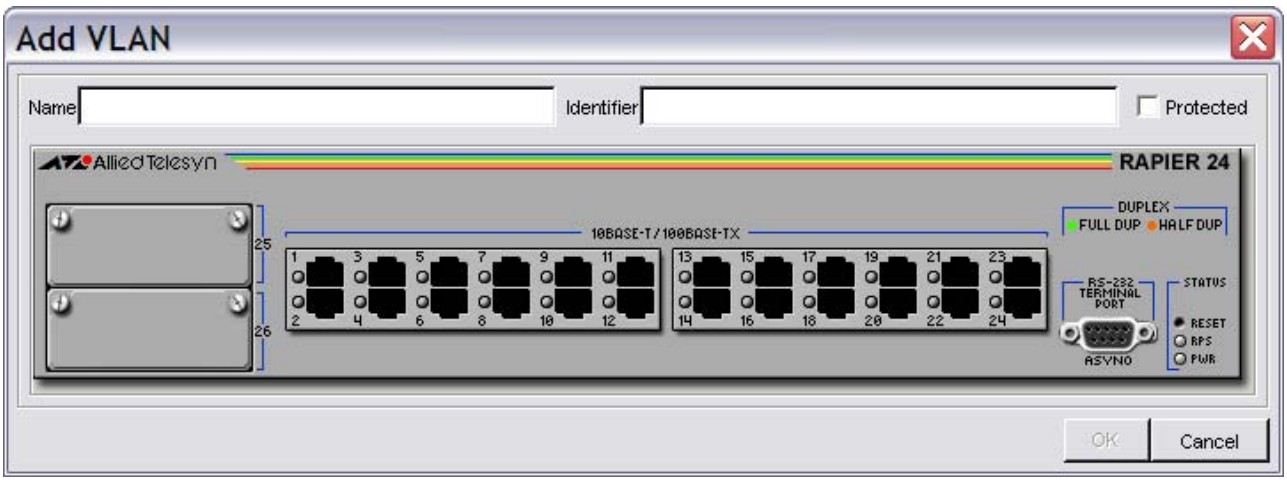
The Edit menu lets you modify the VLAN configuration of the currently connected device. You can also save the VLAN configuration of the device to a file.

Topics:

- Add VLAN
- Modify VLAN
- Delete VLAN
- Update VLAN Mode
- Import VLAN
- Export VLAN

5.2.1 Add VLAN

This option opens the Add VLAN dialog box that allows you to create a VLAN definition.



Add VLAN dialog box

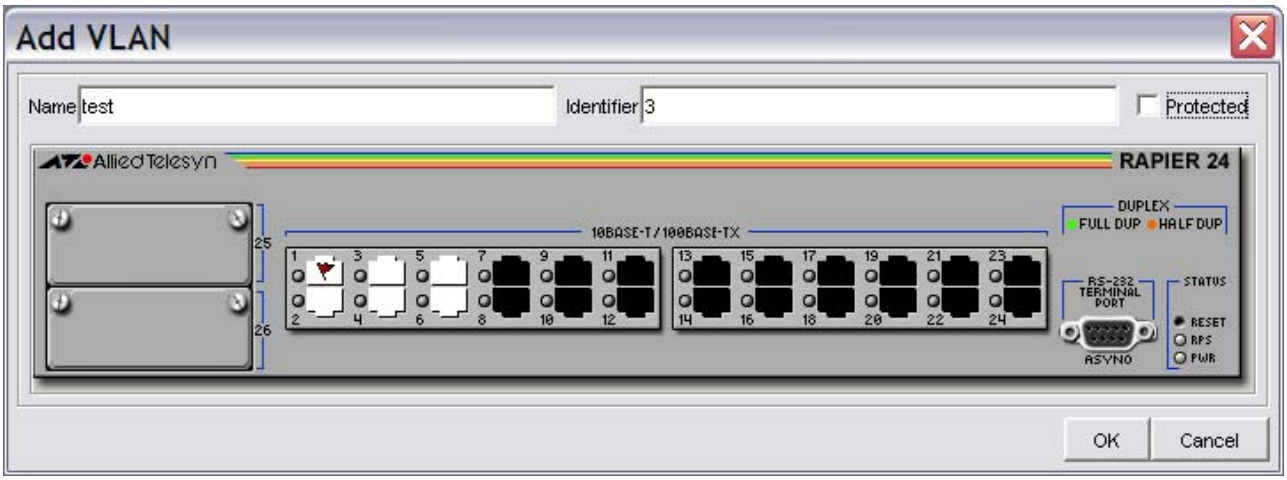
5.2.1.1 Input Fields

The *Input Fields* are the attributes that serve as VLAN creation parameters. These fields differ from one device family to another. In the illustration above, the device panel shown is for a Rapier 24. Since the required *Input Fields* for the Rapier Family are *Name*, *Identifier*, and *Protected*, these are the fields that are displayed in the Add VLAN dialog box.

Refer to Section 6 - Device Support for details on the specific *Input Fields* available for each device family.

5.2.1.2 Adding/Removing Ports

You can add ports to or remove ports from a VLAN definition by clicking on the port images on the device panel. Refer to Section 4.2 - Device Panel for details on how to specify tagged and untagged ports and to unselect ports.

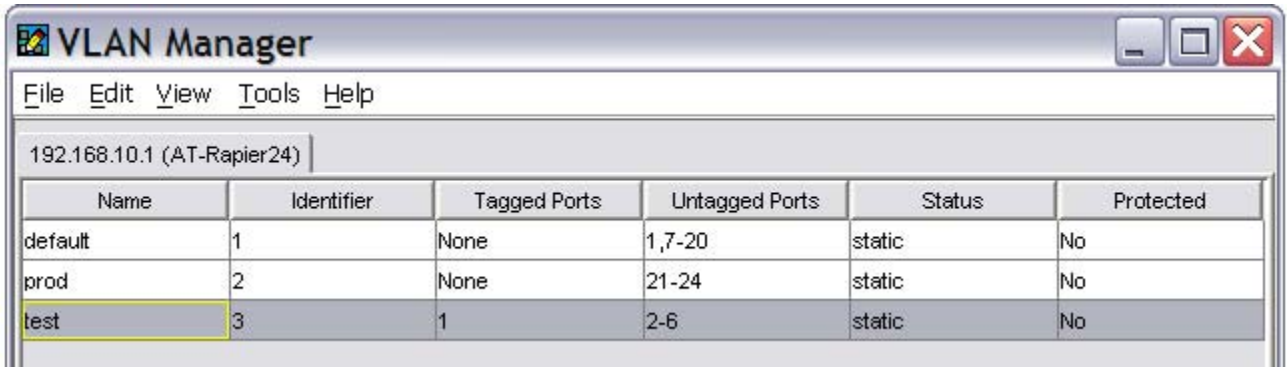


Adding/Removing Ports

In the illustration above, a new VLAN definition is being created for a Rapier 24. The VLAN *Name* is "test" while its *Identifier* is "3". Ports 2 to 6 are untagged members while Port 1 is a tagged member of the VLAN.

5.2.1.3 OK Button

The OK Button is disabled by default. It is only enabled when both the *Name* and *Identifier* fields are populated. When the OK button is clicked, VLAN Manager adds the new VLAN definition to the target host and updates the **VLAN Information Window**.



Name	Identifier	Tagged Ports	Untagged Ports	Status	Protected
default	1	None	1,7-20	static	No
prod	2	None	21-24	static	No
test	3	1	2-6	static	No

New VLAN definition added to VLAN Information Window

After clicking the *OK* button, the new Add VLAN dialog will be closed and the new VLAN entry will be added to the Main window's Information Pane.

5.2.1.4 Cancel Button

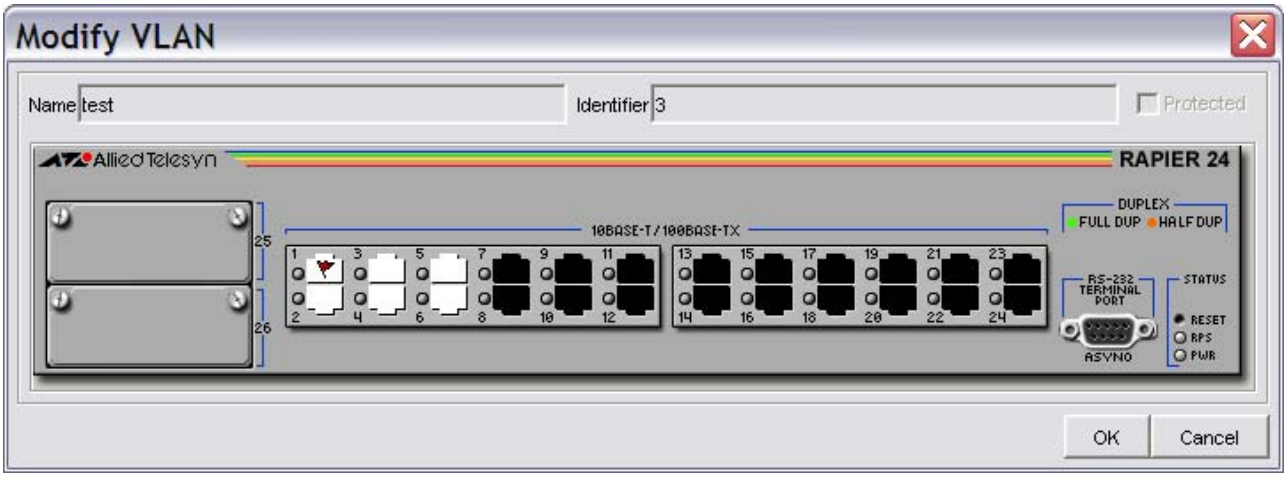
The Cancel Button cancels the Add VLAN operation and closes the Add VLAN dialog box.

5.2.2 Modify VLAN

This option opens the Modify VLAN dialog box that allows you to change specific attributes of a VLAN.

Note - This option is only available if a VLAN definition is selected.

Refer to Section 4.1 - Selecting VLAN Definitions for details on how to select a VLAN definition.



Modify VLAN dialog box

5.2.2.1 Input Fields

The *Input Fields* are attributes of the VLAN definition to be modified. Depending on the device, one or more of the fields may be disabled and cannot be modified.

Refer to Section 6 - Device Support for details on the specific attributes that can and cannot be modified for each device family.

5.2.2.2 Modifying Ports

You can add ports to or remove ports from a VLAN definition by clicking on the port images on the device panel. Refer to Section 4.2 - Device Panel for details on how to specify tagged and untagged ports and to unselect ports.

5.2.2.4 OK Button

When the OK Button is clicked, VLAN Manager updates the VLAN definition in the target host and in the **VLAN Information Window**.

5.2.2.5 Cancel Button

The Cancel Button cancels the Modify VLAN operation and closes the Modify VLAN dialog box.

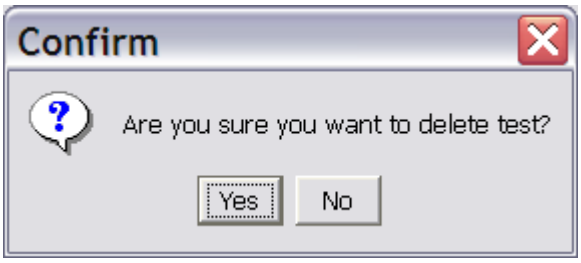
5.2.3 Delete VLAN

This option displays a delete VLAN confirmation dialog box.

Note - This option is only available if a VLAN definition other than the default VLAN is selected.

Note - You may select multiple VLAN definitions (except for the default VLAN) for deletion.

Refer to Section 4.1 - Selecting VLAN Definitions for details on how to select multiple VLAN definitions.



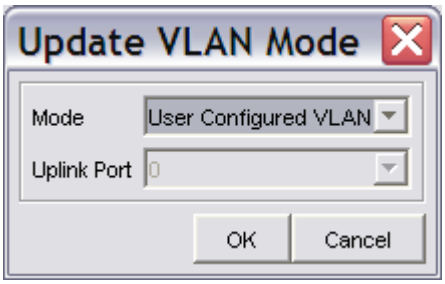
Delete VLAN confirmation dialog box

To remove the selected VLAN definition(s) from the target host and the *VLAN Information Window*, click Yes.

5.2.4 Update VLAN Mode

This option opens the Update VLAN Mode dialog box.

Note - This option is only available to the AT-8000 Series, AT-8200XL Series, and AT-8400.



Update VLAN Mode dialog box

Mode

Sets the VLAN Mode for the device. The available options are:

- *User Configured VLAN*
- *Multiple VLAN*
- *802.1Q Multiple VLAN*

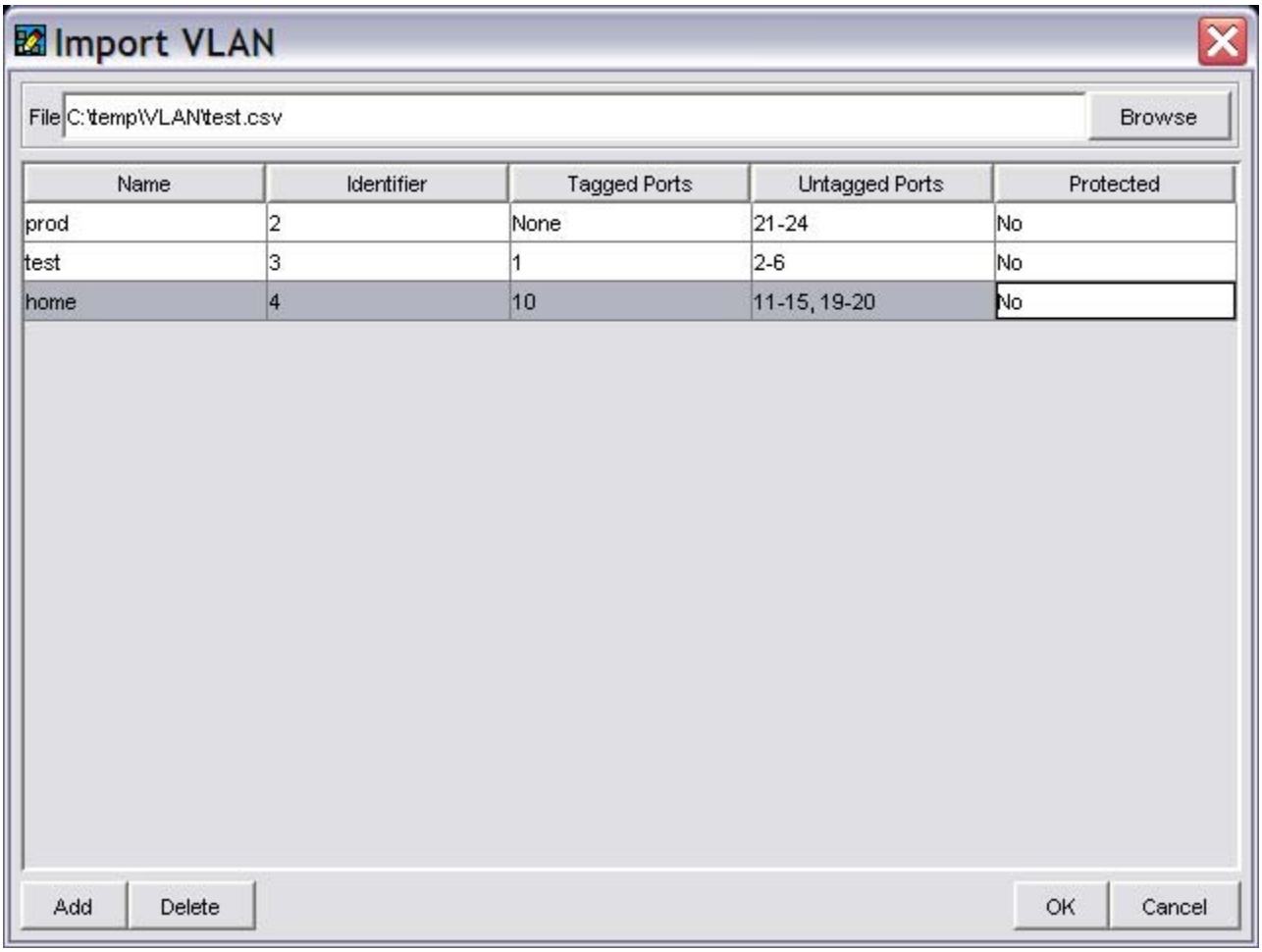
Uplink Port

Designates a port as the uplink port that can be connected to a shared device.

Note - This field does not apply to the AT-8200XL Series.

5.2.5 Import VLAN

This option opens the Import VLAN dialog box that allows you to import VLAN definitions form a VLAN Configuration File, modify the VLAN entries, and overwrite the existing VLAN entries on the currently connected device.



Import VLAN dialog

5.2.5.1 File Field and Browse Button

You may specify a VLAN Configuration File (full path) in the *File field*. Alternatively, you can use the *Browse* button to locate the VLAN Configuration File to use. Once a valid VLAN Configuration File has been specified, the *VLAN Definitions Table* will be populated with the VLAN definitions contained in the file. You may then manually edit the definitions within the table.

Note - Be sure to specify a VLAN Configuration File that contains VLAN entries suitable for the currently opened device. Otherwise, the Import VLAN function will fail. Refer to Section 4.3 - VLAN Configuration Files for more details.

5.2.5.2 Add Button

Clicking the Add Button adds an empty row to the *VLAN Definitions Table*. Once a row is added, it can be used to define a new VLAN.

5.2.5.3 Delete Button

Clicking on the Delete Button removes the selected row(s) from the *VLAN Definitions Table*.

5.2.5.4 OK Button

Once the OK Button is clicked, VLAN Manager deletes all user-configured VLANs from the currently connected device and creates new user-configured VLANs based on the VLANs defined in the *VLAN Definitions Table*.

5.2.6 Export VLAN

This option opens a file browser dialog that allows you to specify a destination file and location in which to store exported VLAN definitions. Once a valid file and location is specified, VLAN Manager exports the VLAN definitions displayed in the *VLAN Information Window* to this file in CSV format. This file is then referred to as a VLAN Configuration File that can be used by the Import VLAN function.

5.3 View

The View menu lets you refresh the contents of the *VLAN Information Window*.

Topics:

- Refresh

5.3.1 Refresh

This option allows you to refresh the *VLAN Information Window* with the latest VLAN configuration of the currently connected device.

Note - This option is only available if a VLAN Manager is already connected to a target host.

5.4 Tools

The Tools menu lets you reboot the currently connected device.

Topics:

- Reboot

5.4.1 Reboot

This option displays a reboot confirmation dialog box.

Note - This option is only available if a VLAN Manager is already connected to a target host.

Reboot Confirmation dialog box

To restart the currently connected device, click Yes.

5.5 Help

The Help menu lets you view the online user's guide as well as some basic information about the application.

Topics:

- Index
- About

5.5.1 Index

This option displays this user's guide.

Note - For HP-UX:

- If there are no active Netscape sessions, selecting this option will not display the online help.
- If there are one or more active Netscape sessions, selecting this option will cause one of the sessions to display this user's guide.

5.5.2 About

This option displays the version and copyright information for VLAN Manager. It also displays a list of the currently supported devices.

6 Device Support

This section describes, on a per device family basis, the specific VLAN attributes displayed in the **VLAN Information Window**, the input fields that are available in the **Add VLAN** and **Modify VLAN** dialog boxes, and any known issues and/or operational notes.

Topics:

- AT-8000 Series
- AT-8124XL (v2)
- AT-8200XL Series
- AT-8324
- AT-8300GB Series
- AT-8400
- AT-9410GB
- AT-8700XL/AT-8800/Rapier Series
- AT-9800/SwitchBlade Series
- AT-RG600 Series

6.1 AT-8000 Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.1.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Mirror Port	This is the number of the port on which all VLAN traffic is mirrored.
Status	This indicates the status of the VLAN. • active • not in service • not ready • create and go • create and wait • destroy

Note - If the selected Uplink Port is not connected to the Uplink VLAN, and the VLAN Mode is set to Multiple VLAN or 802.1Q Multiple VLAN, the connection with the device will be lost. Furthermore, no warning message will be displayed before the connection is lost.

6.1.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs have the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names must contain at least one (1) alphabet character. ***Note*** - "ALL" is a reserved word and cannot be used as a VLAN name.	1 - 20 characters
Identifier (cannot be modified)	1 - 4094	-
Mirror Port	0-65535 ***Note*** - The default value of 0 indicates that there is no port mirror defined for this VLAN.	-

6.2 AT-8124XL (v2)

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.2.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Status	This indicates the status of the VLAN. • idle • operational • under-construction • not-operational

Note - An error message, "An error occurred during the operation. Error: Read only" will be displayed when the user tries to modify the Default VLAN.

Note - After an Import VLAN operation of Multiple VLANs, all VLANs with valid VLAN definitions will have a successful status except for the Default VLAN.

6.2.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-")	0 - 20 characters
Identifier	1 - 4094	-

6.3 AT-8200XL Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.3.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Member Ports	This is a list of the member ports of the VLAN.
Untagged Ports	This is a list of the untagged (port-based) member ports of the VLAN.
Status	This indicates the status of the VLAN. • idle • operational • under-construction • not-operational

Note - An error message, "An error occurred during the operation. Error: Bad Value." will be displayed when the user tries to modify the Default VLAN.

Note - An error message, "An error occurred during the operation. Error: The device is in Multiple VLAN mode. Pre-configured VLANs cannot be displayed for this device." will be displayed when the VLAN Mode is set to Multiple VLAN and the VLAN definitions for the multiple VLANs were not displayed in the VLAN Information Window.

Note - After an Import VLAN operation of Multiple VLANs, all VLANs with valid VLAN definitions will have a successful status except for the Default VLAN.

Note - After an Import VLAN operation, VLAN definitions with out of range Member Ports will have a successful status.

6.3.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-")	0 - 20 characters
Identifier	1 - 4094	-

6 Device Support

6.4 AT-8324

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.4.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
<Stack ID> - Tagged Ports	This is a list of the tagged member ports of the VLAN that belong to a specific module on the stack.
<Stack ID> - Untagged Ports	This is a list of the untagged member ports of the VLAN that belong to a specific module on the stack.
Status	This indicates the status of the VLAN. • active • not in service • not ready • create and go • create and wait • destroy

6.4.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names must contain at least one (1) alphabet character. ***Note*** - "ALL" is a reserved word and cannot be used as a VLAN name.	1 - 19 characters
Identifier (cannot be modified)	1 - 2048	-

6.5 AT-8300GB Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.5.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
<Stack ID> - Tagged Ports	This is a list of the tagged member ports of the VLAN that belong to a specific module on the stack.
<Stack ID> - Untagged Ports	This is a list of the untagged member ports of the VLAN that belong to a specific module on the stack.
Status	This indicates the status of the VLAN. • idle • operational • under-construction • not-operational

Note - Ports in the Default VLAN cannot be changed from untagged to tagged.

Note - VLAN definitions that contain tagged ports cannot be deleted.

Note - VLAN definitions that contain tagged ports cannot be deleted during an Import VLAN operation.

Note - The retry timeout must be set to a higher value when adding or modifying VLAN definitions. The timeout value varies depending on the number of devices in the stack.

6.5.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-")	0 - 20 characters
Identifier	1 - 4094	-

6 Device Support

6.6 AT-8400

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.6.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Type	This indicates the type of the VLAN. • Port Based • MAC Based • Multiple • Multiple 802.1Q
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Status	This indicates the status of the VLAN. • active • not in service • not ready • create and go • create and wait • destroy

Note - If the selected Uplink Port is not connected to the Uplink VLAN, and the VLAN Mode is set to Multiple VLAN or 802.1Q Multiple VLAN, the connection with the device will be lost. Furthermore, no warning message will be displayed before the connection is lost.

Note - Modifying the default VLAN definition will cause all other VLAN definitions to be deleted. Furthermore, the affected device should be reset after this error occurs.

6.6.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name (cannot be modified)	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names must contain at least one (1) alphabet character.	1 - 19 characters
Identifier (cannot be modified)	1 - 4094	-

6.7 AT-9410GB

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.7.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Status	This indicates the status of the VLAN. • idle • operational • under-construction • not-operational

Note - Ports in the Default VLAN cannot be changed from untagged to tagged.

Note - VLAN definitions that contain tagged ports cannot be deleted.

Note - VLAN definitions with blank VLAN Name attributes cannot be created.

Note - In an Import VLAN operation, VLAN definitions with a blank VLAN name attribute cannot be imported. The Import operation for those definitions will fail.

Note - VLAN definitions that contain tagged ports cannot be deleted during an Import VLAN operation.

6.7.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs display the following Input Fields:

Input Field	Valid Values	Length
Name	• Alphanumeric characters • Underscore ("_") • Dash ("-")	0 - 20 characters
Identifier	1 - 4094	-

6 Device Support

6.8 AT-8700XL/AT-8800/Rapier Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.8.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Protected	This indicates whether or not the VLAN is protected. • Yes • No
Status	This indicates the status of the VLAN. • dynamic • static

Note - After an Import VLAN operation, the default VLAN definition will have a failed status if one of its ports is not associated with any other VLAN definitions. This is caused by the way the Import VLAN operation works. The Import VLAN operation deletes the existing VLAN configuration on the target device. Afterwards, VLAN Manager adds the VLAN definitions from the VLAN Definition File in a sequential manner, starting with the Default VLAN definition. The problem will occur if the VLAN Definition File contains VLAN definitions (other than the Default VLAN) that have *untagged ports*. When the default VLAN definition with the missing *untagged ports* is added, the target device will return an error since there are no existing VLAN definitions that have the missing *untagged ports*.

6.8.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs have the following Input Fields:

Input Field	Valid Values	Length
Name (cannot be modified)	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names must contain at least one (1) alphabet character. ***Note*** - "ALL" is a reserved word and cannot be used as a VLAN name.	1 - 15 characters
Identifier (cannot be modified)	1 - 4094	-
Protected (cannot be modified)	• Checked • Not Checked ***Note*** - This field is implemented as a check box.	-

6.9 AT-9800/SwitchBlade Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.9.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Type	This indicates the status of the VLAN. • Port-based • IP subnet-based • Protocol-based • MAC address-based • Limited protocol-based
Status	This indicates the status of the VLAN. • dynamic • static

Note - After an Import VLAN operation, the default VLAN definition will have a failed status if one of its ports is not associated with any other VLAN definitions. This is caused by the way the Import VLAN operation works. The Import VLAN operation deletes the existing VLAN configuration on the target device. Afterwards, VLAN Manager adds the VLAN definitions from the VLAN Definition File in a sequential manner, starting with the Default VLAN definition. The problem will occur if the VLAN Definition File contains VLAN definitions (other than the Default VLAN) that have *untagged ports*. When the default VLAN definition with the missing *untagged ports* is added, the target device will return an error since there are no existing VLAN definitions that have the missing *untagged ports*.

6.9.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs have the following Input Fields:

Input Field	Valid Values	Length
Name (cannot be modified)	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names must contain at least one (1) alphabet character.	1 - 15 characters
Identifier (cannot be modified)	• 1 - 4090 (AT-9800 Series) • 1 - 4078 (SwitchBlade Series)	-

6.10 AT-RG600 Series

Topics:

- VLAN Information Window
- Add/Modify VLAN Dialogs

6.10.1 VLAN Information Window

The **VLAN Information Window** displays the following attributes for each VLAN definition:

Column Name	Description
Name	This is the name of the VLAN.
Identifier	This is the unique identifier of the VLAN.
Tagged Ports	This is a list of the tagged member ports of the VLAN.
Untagged Ports	This is a list of the untagged member ports of the VLAN.
Priority	This indicates the 802.1p Priority.
Status	This indicates the status of the VLAN. • dynamic • static

Note - In creating VLANs, if the VLAN Name specified starts with "vlan" followed by a number, then the Identifier should be set to the same number as defined in the VLAN Name. Otherwise, an error message will be displayed and the VLAN will not be created.

Note - VLANs whose names start with a number cannot be deleted.

6.10.2 Add/Modify VLAN Dialogs

The Add/Modify VLAN Dialogs have the following Input Fields:

Input Field	Valid Values	Length
Name (cannot be modified)	• Alphanumeric characters • Underscore ("_") • Dash ("-") ***Note*** - VLAN names cannot start with a digit and cannot contains dots '.' or the slash symbols'/'.	1 - 15 characters
Identifier (cannot be modified)	• 1 - 512 (AT-RG656BD) • 1 - 4094 (AT-RG613TX / AT-RG613SH)	-
Priority (cannot be modified)	• 0 - 7 ***Note*** - This field is implemented as a drop-down list.	-